Amendments to the Abstract:

Please amend the abstract as follows:

~~Iterative data reconstruction~~

Iterative algorithms, which may be used for image reconstruction, ~~consisting of~~ include alternating projections and backprojections usually have a slow convergence, due to correlations between simultaneously processed data. Consequently, ~~and consequently~~ a low image quality results. ~~According to the present invention, a~~ A filtering step is introduced before backprojection, allowing [[a]] parallel processing without the loss of convergence speed or image quality. Advantageously, this ~~may~~ allows ~~to perform~~ several projections/backprojections to be performed simultaneously.

~~(Fig. 1)~~

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